

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062223\  
 Data File : BP015660.D  
 Acq On : 22 Jun 2023 22:26  
 Operator : MA/JU  
 Sample : 03083-13  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFL1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel  
 06/23/2023

Supervised By :mohammad  
 ahmed  
 06/23/2023

Quant Time: Jun 22 23:52:24 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 22 22:01:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|---------|--------|----------|
| -----                         |        |      |           |         |        |          |
| Internal Standards            |        |      |           |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.081  | 152  | 131310    | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.904 | 136  | 462577    | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.728 | 164  | 227183    | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.492 | 188  | 462028    | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.598 | 240  | 417262    | 20.000  | ng/u1  | 0.02     |
| 88) Perylene-d12              | 24.174 | 264  | 576355m   | 20.000  | ng/u1  | 0.04     |
|                               |        |      |           |         |        |          |
| System Monitoring Compounds   |        |      |           |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.399  | 96   | 10338     | 2.915   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.852  | 84   | 76646     | 8.321   | ng/u1  | 0.01     |
| 7) Phenol-d5                  | 7.246  | 99   | 224225    | 18.535  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.399  | 67   | 145807    | 20.182  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.605  | 132  | 188658    | 21.510  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.799  | 113  | 176286    | 17.756  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.257  | 128  | 85333     | 23.497  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.987  | 143  | 95298     | 22.978  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.540 | 165  | 149691    | 19.786  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.075 | 131  | 37580     | 3.461   | ng/u1  | 0.02     |
| 46) Dimethylphthalate-d6      | 14.134 | 166  | 435839    | 24.328  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.422 | 160  | 492073    | 25.120  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.969 | 143  | 42052     | 13.108  | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.722 | 176  | 352243    | 23.317  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.869 | 200  | 34709     | 11.858  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.592 | 188  | 514231    | 24.462  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.822 | 212  | 578372    | 25.898  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.010 | 264  | 681663m   | 23.571  | ng/u1  | 0.04     |
|                               |        |      |           |         |        |          |
| Target Compounds              |        |      |           |         | Qvalue |          |
| 30) Naphthalene               | 10.957 | 128  | 438434    | 17.491  | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.557 | 142  | 202747    | 11.506  | ng/u1  | 99       |
| 37) 1-Methylnaphthalene       | 12.775 | 142  | 160119    | 9.025   | ng/u1# | 97       |
| 50) Acenaphthylene            | 14.451 | 152  | 142598    | 6.573   | ng/u1# | 97       |
| 52) Acenaphthene              | 14.792 | 153  | 866690    | 57.798  | ng/u1  | 98       |
| 61) Fluorene                  | 15.781 | 166  | 816996    | 47.156  | ng/u1  | 99       |
| 72) Phenanthrene              | 17.551 | 178  | 12918268  | 521.018 | ng/u1  | 98       |
| 74) Anthracene                | 17.628 | 178  | 3323304   | 132.102 | ng/u1  | 100      |
| 80) Fluoranthene              | 19.510 | 202  | 19710623m | 724.570 | ng/u1  |          |
| 82) Pyrene                    | 19.869 | 202  | 17460539  | 620.403 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.586 | 228  | 12317577  | 422.271 | ng/u1  | 96       |
| 87) Chrysene                  | 21.645 | 228  | 11981872m | 434.570 | ng/u1  |          |
| 90) Benzo(b)fluoranthene      | 23.404 | 252  | 18486823m | 496.908 | ng/u1  |          |
| 91) Benzo(k)fluoranthene      | 23.445 | 252  | 5667885m  | 157.602 | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.092 | 252  | 12403016m | 382.381 | ng/u1  |          |
| 94) Indeno(1,2,3-cd)pyrene    | 26.962 | 276  | 9958080m  | 237.221 | ng/u1  |          |
| 95) Dibenzo(a,h)anthracene    | 26.951 | 278  | 2866648m  | 83.821  | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 27.821 | 276  | 8954919m  | 258.856 | ng/u1  |          |
| -----                         |        |      |           |         |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062223\  
Data File : BP015660.D  
Acq On : 22 Jun 2023 22:26  
Operator : MA/JU  
Sample : 03083-13  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

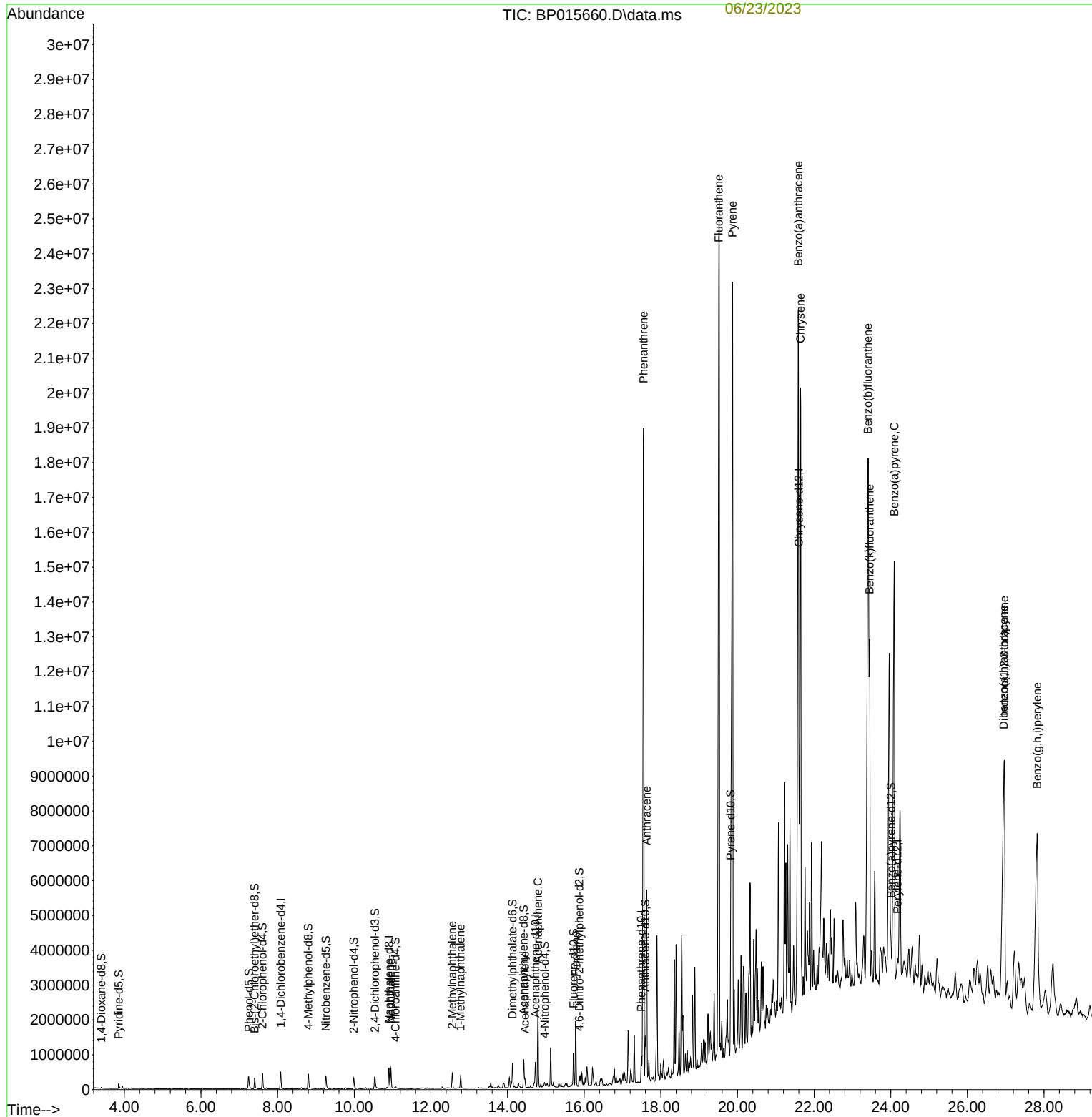
Instrument :  
BNA\_P  
ClientSampleId :  
DCFL1

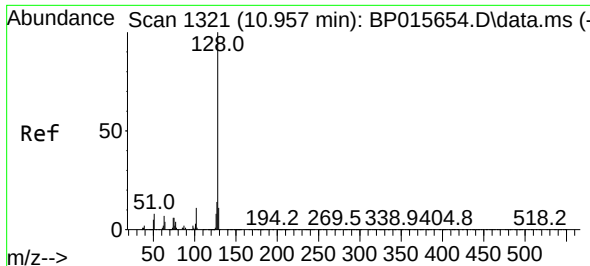
Quant Time: Jun 22 23:52:24 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 22 22:01:49 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel  
06/23/2023

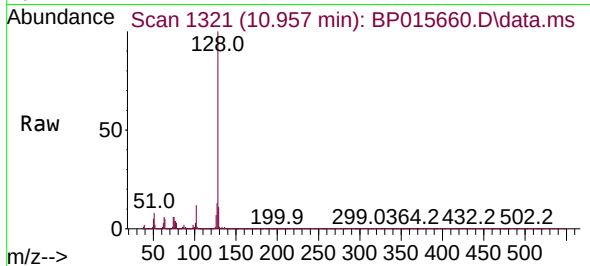
Supervised By :mohammad  
ahmed  
06/23/2023





#30  
Naphthalene  
Concen: 17.491 ng/ul  
RT: 10.957 min Scan# 1321  
Delta R.T. 0.000 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

Instrument :  
BNA\_P  
ClientSampleId :  
DCFL1

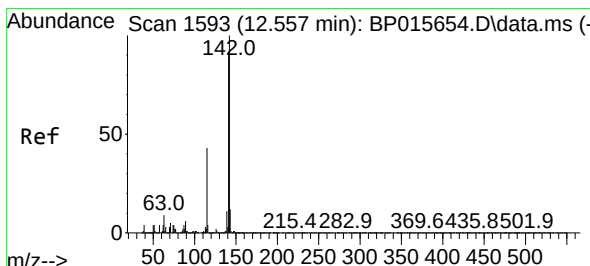
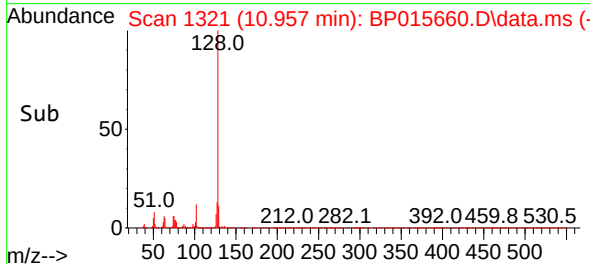
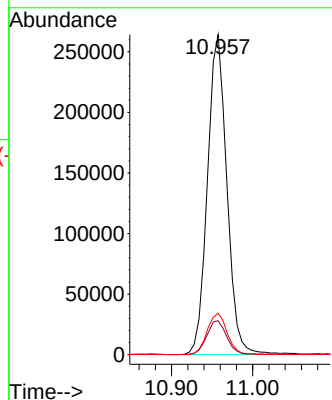


Tgt Ion:128 Resp: 438434  
Ion Ratio Lower Upper  
128 100  
129 10.6 8.6 13.0  
127 12.9 10.5 15.7

Manual Integrations  
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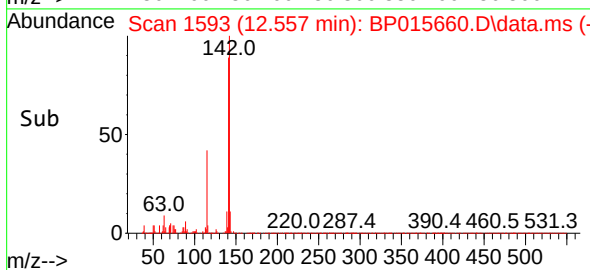
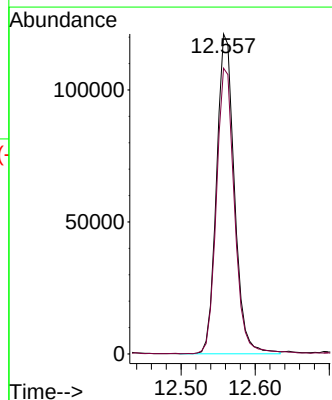
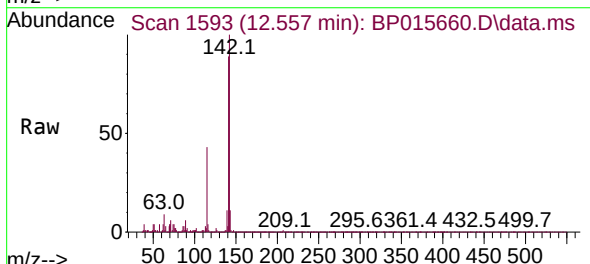
Reviewed By :Yogesh  
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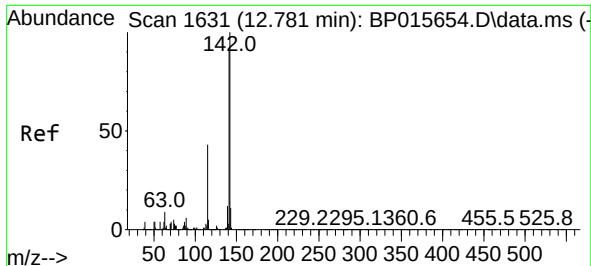
Supervised By :mohammad  
ahmed  
06/23/2023



#36  
2-Methylnaphthalene  
Concen: 11.506 ng/ul  
RT: 12.557 min Scan# 1593  
Delta R.T. -0.006 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

Tgt Ion:142 Resp: 202747  
Ion Ratio Lower Upper  
142 100  
141 89.3 72.0 108.0





#37  
1-Methylnaphthalene  
Concen: 9.025 ng/ul  
RT: 12.775 min Scan# 1631  
Delta R.T. -0.006 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

Instrument :

BNA\_P

ClientSampleId :

DCFL1

Tgt Ion:142 Resp: 160119  
Ion Ratio Lower Upper  
142 100  
141 92.6 71.9 107.9  
116 5.2 3.4 5.2

Manual Integrations

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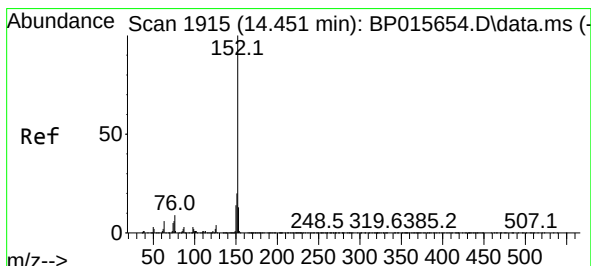
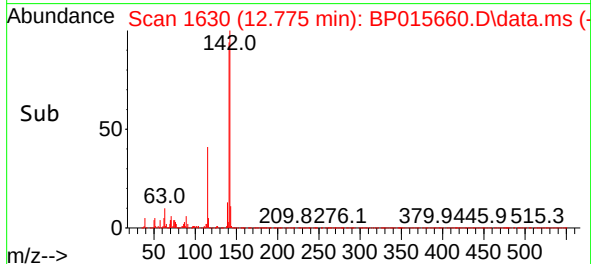
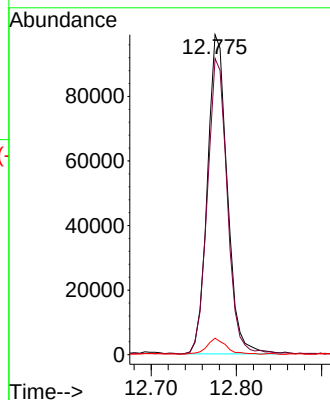
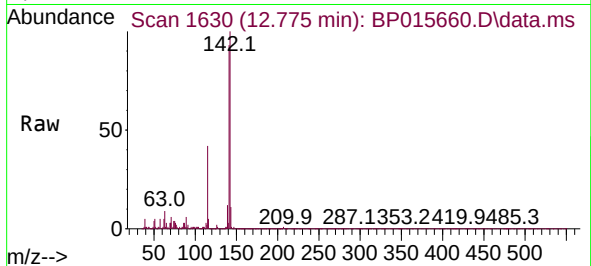
Patel

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Supervised By :mohammad

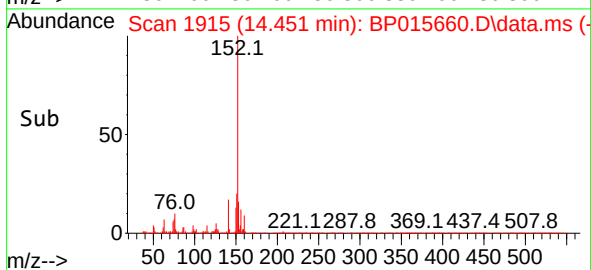
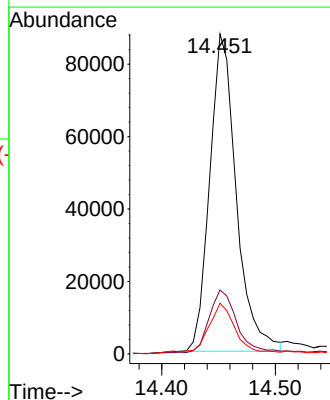
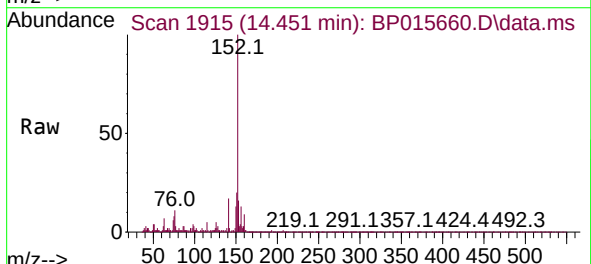
ahmed

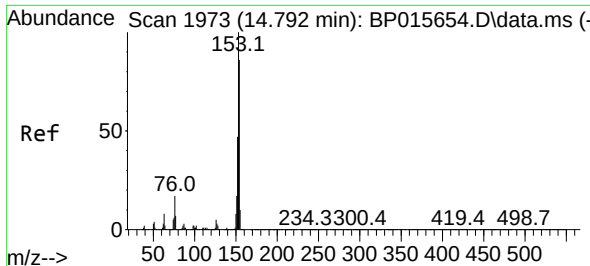
06/23/2023



#50  
Acenaphthylene  
Concen: 6.573 ng/ul  
RT: 14.451 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

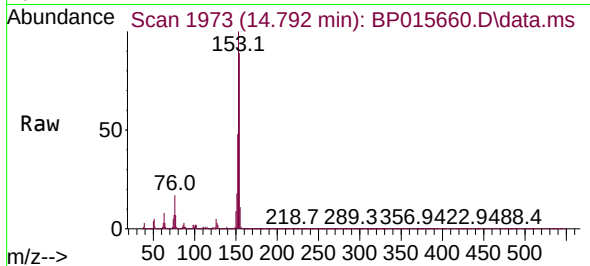
Tgt Ion:152 Resp: 142598  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.0 24.0  
153 15.9 10.6 15.8





#52  
Acenaphthene  
Concen: 57.798 ng/ul  
RT: 14.792 min Scan# 1973  
Delta R.T. 0.000 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

Instrument :  
BNA\_P  
ClientSampleId :  
DCFL1

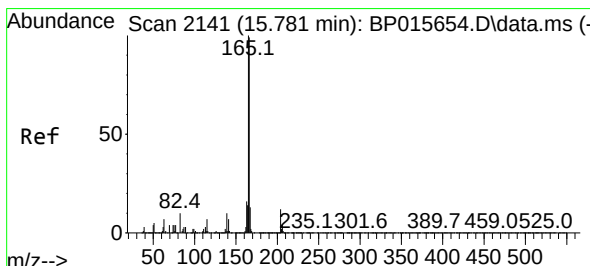
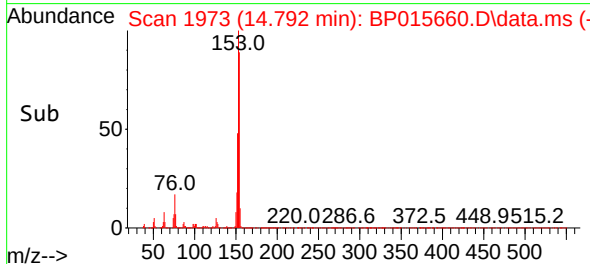
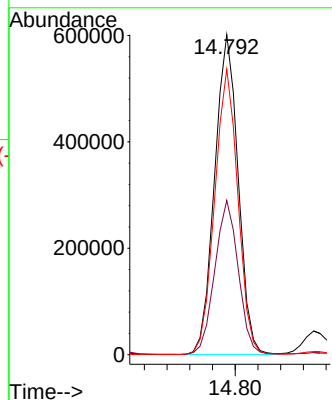


Tgt Ion:153 Resp: 866690  
Ion Ratio Lower Upper  
153 100  
152 48.2 38.3 57.5  
154 89.3 69.8 104.6

Manual Integrations  
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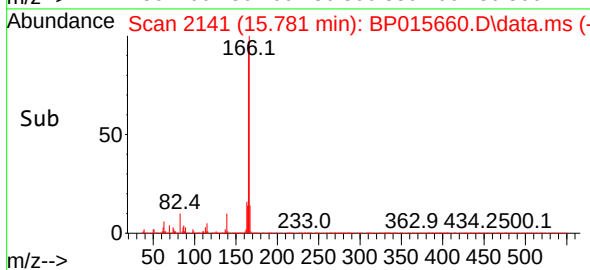
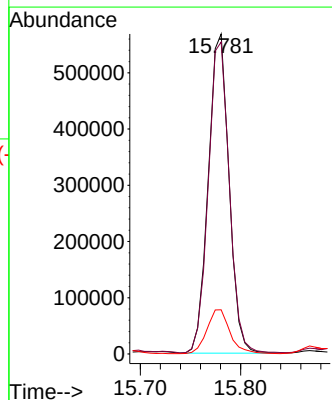
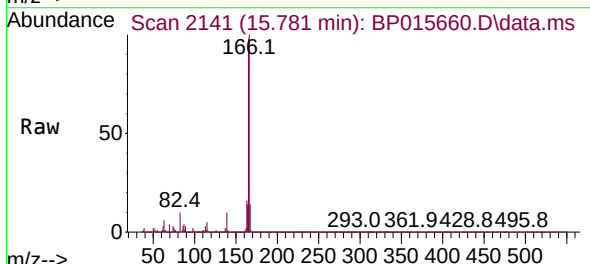
Reviewed By :Yogesh  
Patel  
06/23/2023

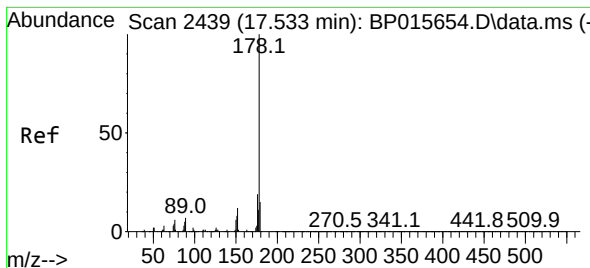
Supervised By :mohammad  
ahmed  
06/23/2023



#61  
Fluorene  
Concen: 47.156 ng/ul  
RT: 15.781 min Scan# 2141  
Delta R.T. 0.000 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

Tgt Ion:166 Resp: 816996  
Ion Ratio Lower Upper  
166 100  
165 97.5 79.1 118.7  
167 13.8 10.6 16.0





#72

Phenanthrene

Concen: 521.018 ng/ul

RT: 17.551 min Scan# 2442

Delta R.T. 0.018 min

Lab File: BP015660.D

Acq: 22 Jun 2023 22:26

Instrument :

BNA\_P

ClientSampleId :

DCFL1

Tgt Ion:178 Resp:1291826

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

176 20.6 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh

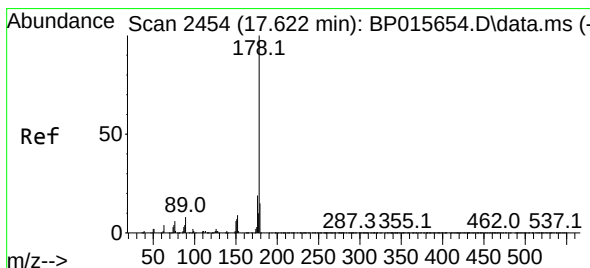
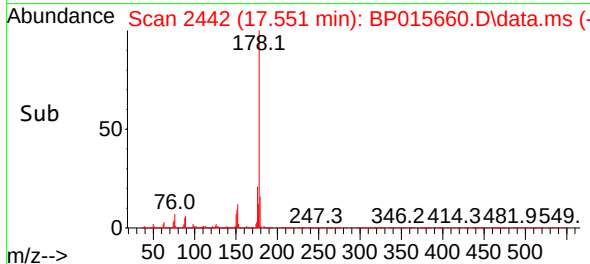
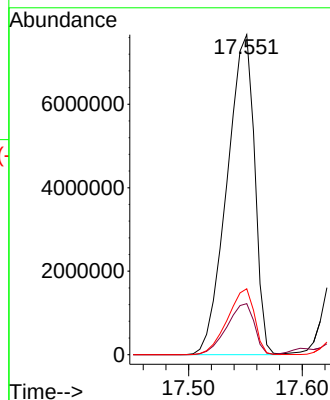
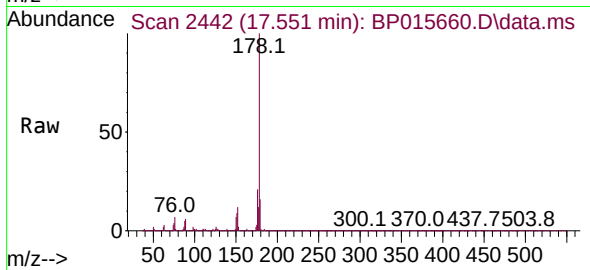
Patel

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#74

Anthracene

Concen: 132.102 ng/ul

RT: 17.628 min Scan# 2455

Delta R.T. 0.000 min

Lab File: BP015660.D

Acq: 22 Jun 2023 22:26

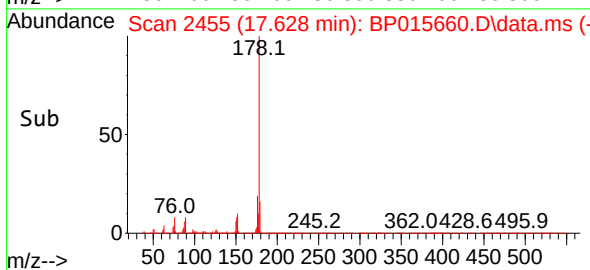
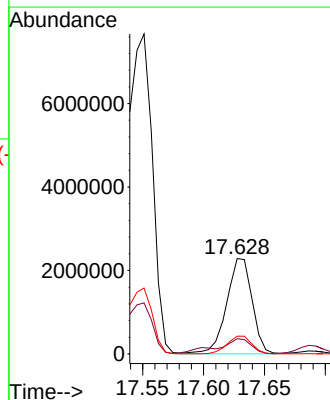
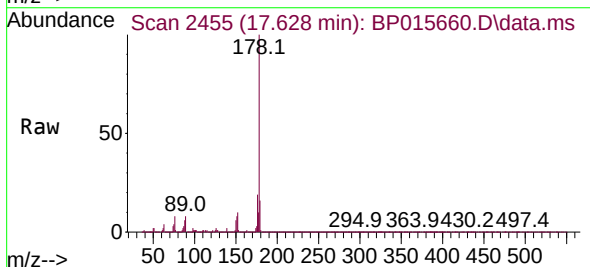
Tgt Ion:178 Resp: 3323304

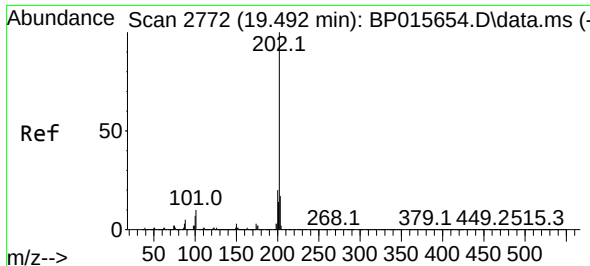
Ion Ratio Lower Upper

178 100

179 15.9 12.4 18.6

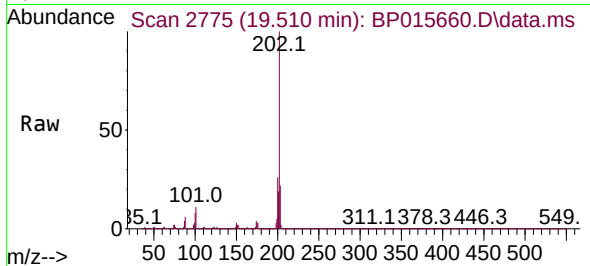
176 18.7 15.0 22.4





#80  
Fluoranthene  
Concen: 724.570 ng/ul m  
RT: 19.510 min Scan# 2772  
Delta R.T. 0.018 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

Instrument :  
BNA\_P  
ClientSampleId :  
DCFL1

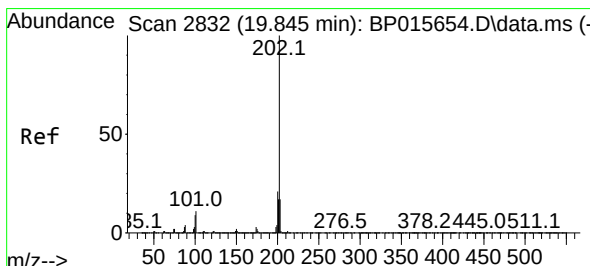
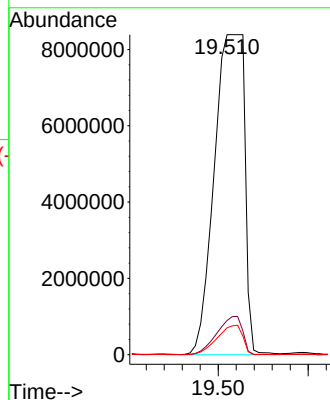
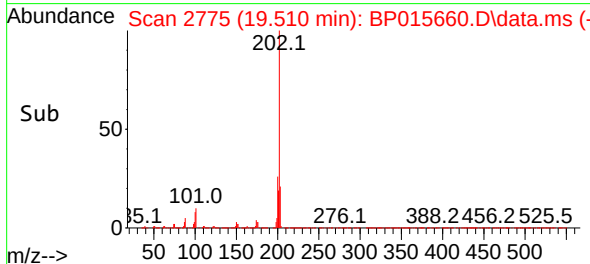


Tgt Ion:202 Resp:1971062  
Ion Ratio Lower Upper  
202 100  
101 10.7 8.6 13.0  
100 8.4 6.6 9.8

Manual Integrations  
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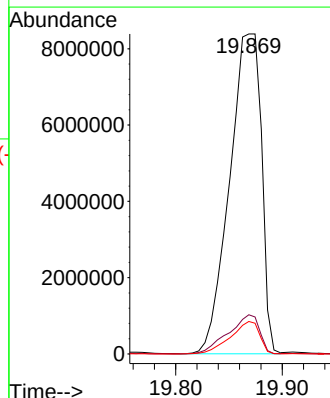
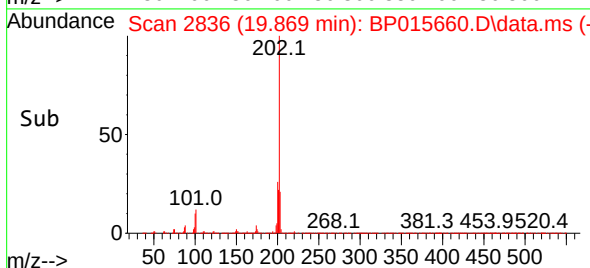
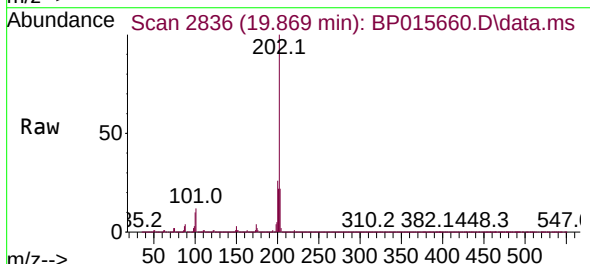
Reviewed By :Yogesh  
Patel  
06/23/2023

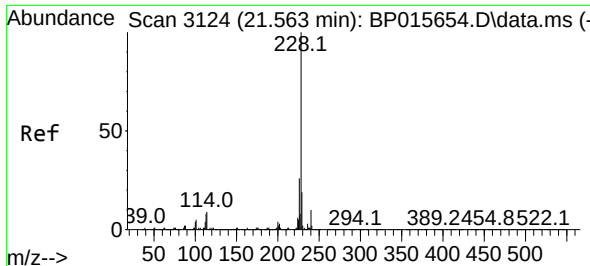
Supervised By :mohammad  
ahmed  
06/23/2023



#82  
Pyrene  
Concen: 620.403 ng/ul  
RT: 19.869 min Scan# 2836  
Delta R.T. 0.024 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

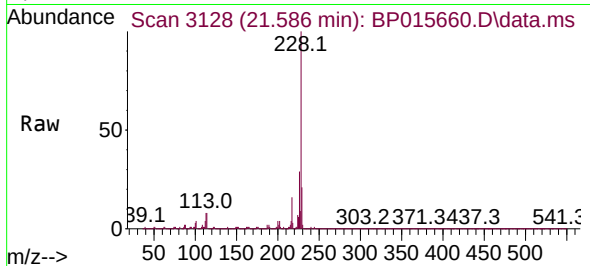
Tgt Ion:202 Resp:17460539  
Ion Ratio Lower Upper  
202 100  
101 12.2 9.9 14.9  
100 10.2 8.4 12.6





#85  
Benzo(a)anthracene  
Concen: 422.271 ng/ul  
RT: 21.586 min Scan# 3128  
Delta R.T. 0.024 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

Instrument :  
BNA\_P  
ClientSampleId :  
DCFL1

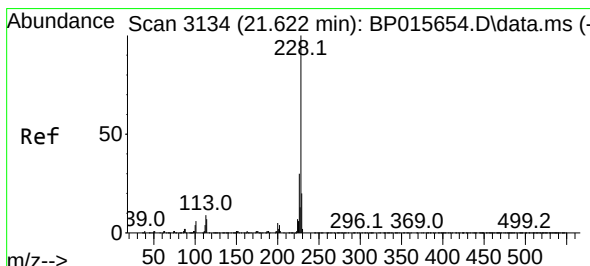
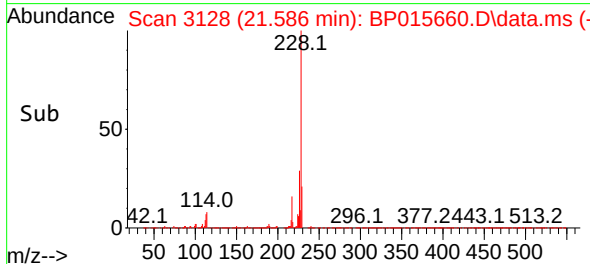
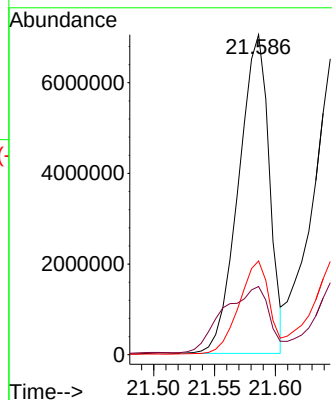


Tgt Ion:228 Resp:1231757  
Ion Ratio Lower Upper  
228 100  
229 21.3 15.8 23.6  
226 29.3 21.8 32.6

Manual Integrations  
APPROVED

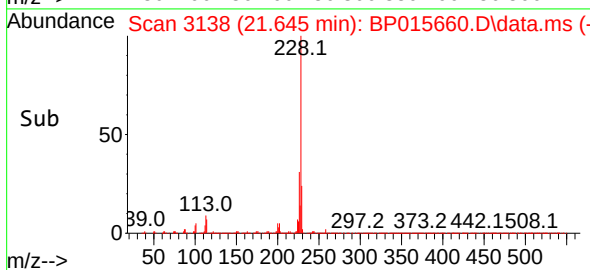
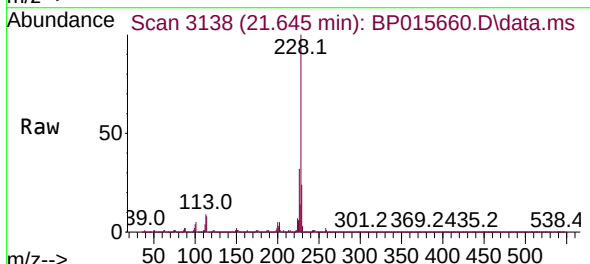
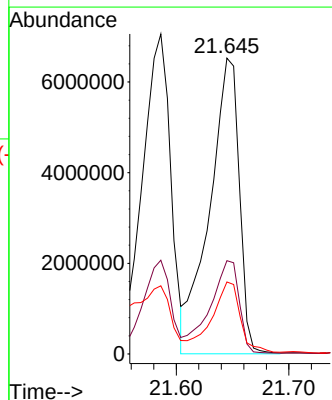
Reviewed By :Yogesh  
Patel  
06/23/2023

Supervised By :mohammad  
ahmed  
06/23/2023

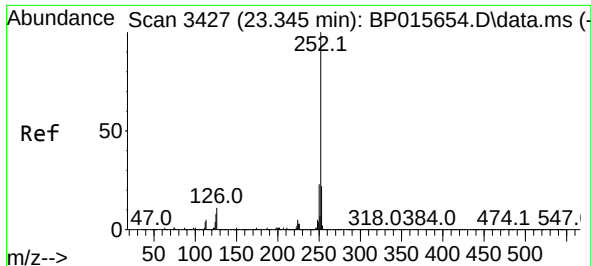


#87  
Chrysene  
Concen: 434.570 ng/ul m  
RT: 21.645 min Scan# 3138  
Delta R.T. 0.024 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

Tgt Ion:228 Resp:11981872  
Ion Ratio Lower Upper  
228 100  
226 31.5 23.9 35.9  
229 24.3 15.1 22.7#







#90  
Benzo(b)fluoranthene  
Concen: 496.908 ng/ul m  
RT: 23.404 min Scan# 3427  
Delta R.T. 0.059 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

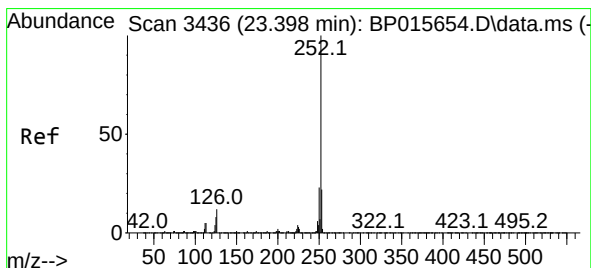
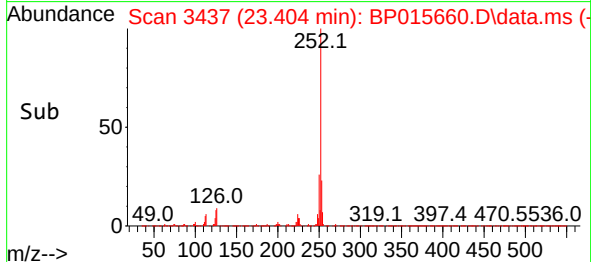
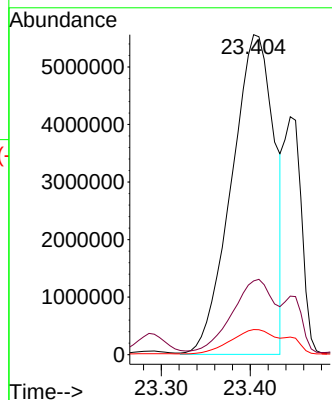
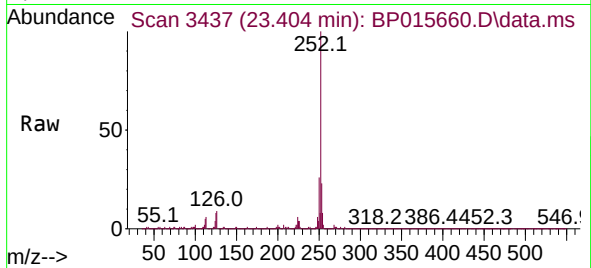
Instrument :  
BNA\_P  
ClientSampleId :  
DCFL1

Tgt Ion:252 Resp:1848682  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.4 26.2  
125 7.8 7.3 10.9

Manual Integrations  
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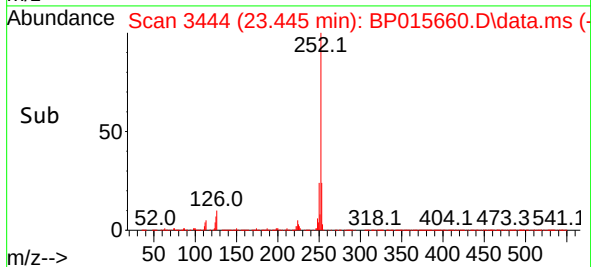
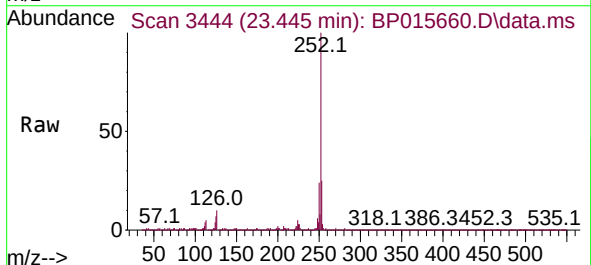
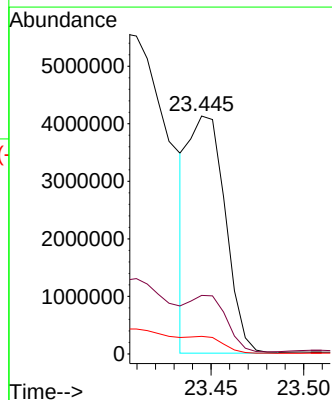
Reviewed By :Yogesh  
Patel  
06/23/2023

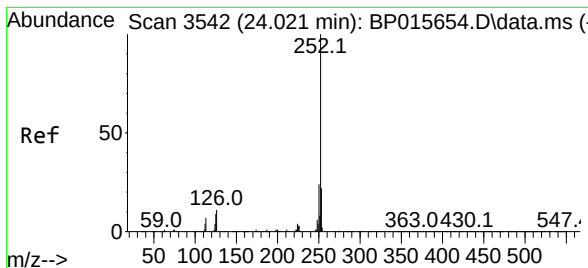
Supervised By :mohammad  
ahmed  
06/23/2023



#91  
Benzo(k)fluoranthene  
Concen: 157.602 ng/ul m  
RT: 23.445 min Scan# 3444  
Delta R.T. 0.047 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

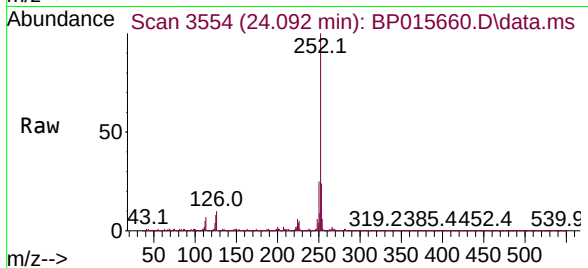
Tgt Ion:252 Resp: 5667885  
Ion Ratio Lower Upper  
252 100  
253 24.6 17.7 26.5  
125 7.4 7.3 10.9





#93  
Benzo(a)pyrene  
Concen: 382.381 ng/ul m  
RT: 24.092 min Scan# 31  
Delta R.T. 0.071 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

Instrument :  
BNA\_P  
ClientSampleId :  
DCFL1

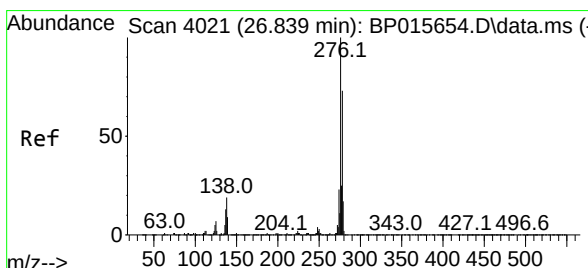
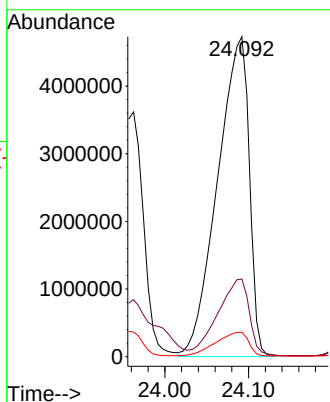
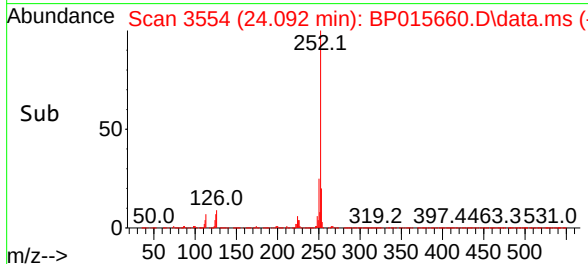


Tgt Ion:252 Resp:12403010  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.8 26.6  
125 7.6 8.1 12.1

Manual Integrations  
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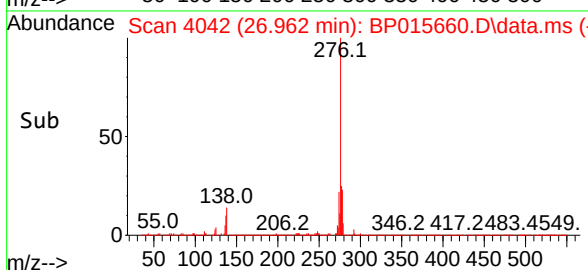
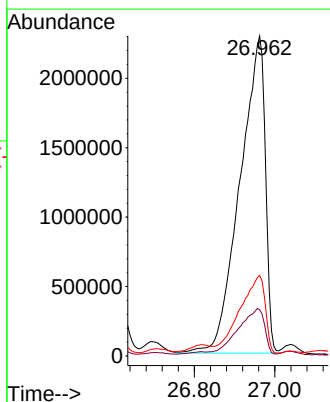
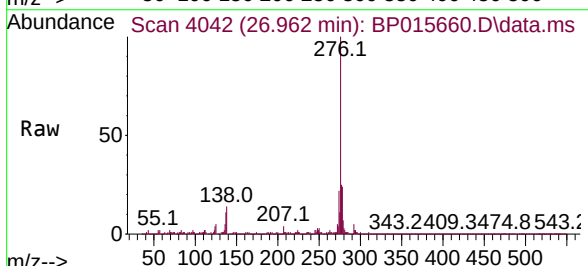
Reviewed By :Yogesh  
Patel  
06/23/2023

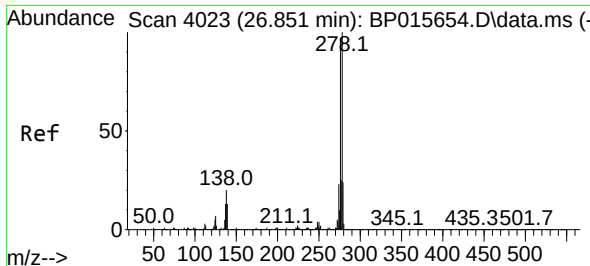
Supervised By :mohammad  
ahmed  
06/23/2023



#94  
Indeno(1,2,3-cd)pyrene  
Concen: 237.221 ng/ul m  
RT: 26.962 min Scan# 4042  
Delta R.T. 0.124 min  
Lab File: BP015660.D  
Acq: 22 Jun 2023 22:26

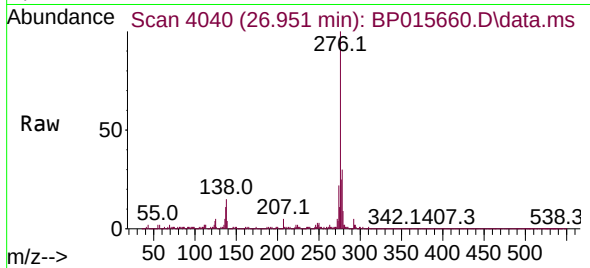
Tgt Ion:276 Resp: 9958080  
Ion Ratio Lower Upper  
276 100  
138 14.4 17.3 25.9#  
277 25.1 20.2 30.2





#95  
 Dibenzo(a,h)anthracene  
 Concen: 83.821 ng/ul m  
 RT: 26.951 min Scan# 4023  
 Delta R.T. 0.100 min  
 Lab File: BP015660.D  
 Acq: 22 Jun 2023 22:26

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFL1

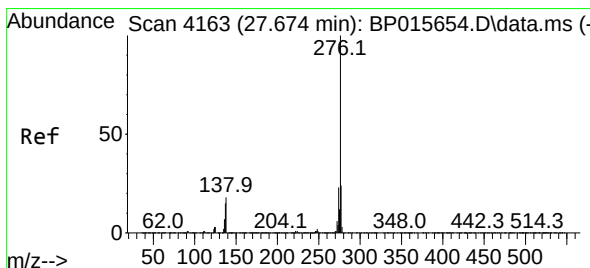
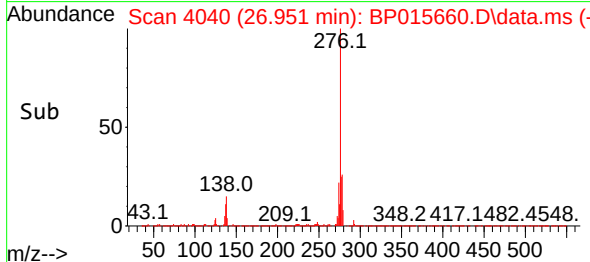
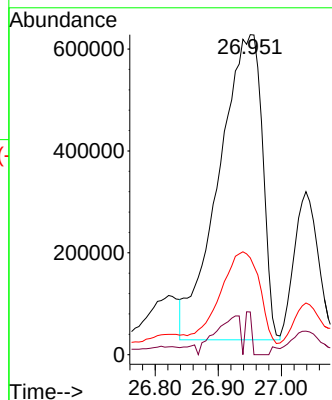


Tgt Ion:278 Resp: 286664  
 Ion Ratio Lower Upper  
 278 100  
 139 13.3 11.4 17.0  
 279 30.3 18.7 28.1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel  
 06/23/2023

Supervised By :mohammad  
 ahmed  
 06/23/2023



#96  
 Benzo(g,h,i)perylene  
 Concen: 258.856 ng/ul m  
 RT: 27.821 min Scan# 4188  
 Delta R.T. 0.141 min  
 Lab File: BP015660.D  
 Acq: 22 Jun 2023 22:26

Tgt Ion:276 Resp: 8954919  
 Ion Ratio Lower Upper  
 276 100  
 138 15.6 15.6 23.4  
 277 25.6 19.0 28.6

